Specifications — MTP 4T 15HD RS

Video

Gain	Unity
Number/signal type	4 sets of proprietary analog signals
Connectors	4 female RJ-45

Video input and loop through — per transmitter

Number/signal type	1 analog RGBHV, RGBS, RGsB, RsGsBs, component video (with bi-level or tri-level sync), S-video, or composite video 1 buffered RGBHV, RGBS, RGsB, RsGsBs local monitor loop through (includes ID bits)
Connectors	2 female 15-pin HD
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB and for R-Y and B-Y of component video 0.3 Vp-p for C of S-video
Minimum/maximum levels	0.3 V to 1.45 Vp-p
Impedance	75 ohms
Horizontal frequency	15 kHz to 130 kHz
Vertical frequency	30 Hz to 150 Hz
Return loss	<-30 dB @ 5 MHz
DC offset (max. allowable)	250 mV

Video output — per receiver

Number/signal type	1 set of proprietary analog signals 1 analog RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, or composite video
Connectors	1 female RJ-45 1 female 15-pin HD
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB and for R-Y and B-Y of component video 0.3 Vp-p for C of S-video
Minimum/maximum levels	0.3 V to 1.45 Vp-p
Impedance	75 ohms
Return loss	<-30 dB @ 5 MHz
DC offset	
MTP 1500RL 15HD Series	<±35 mV with input at 0 offset
All other receivers	<±20 mV with input at 0 offset
Maximum resolution	1920x1200

NOTE *Refer to the user's manual for the maximum distances recommended for specific resolutions.*

Sync

Input type (transmitter)	RGBHV, RGBS, RGsB, RsGsBs, bi-level or tri-level for component video
Output type (receivers)	RGBHV, RGBS, RGsB, RsGsBs
Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM
Input level (transmitter)	3.5 V to 5.5 Vp-p, unterminated
Output level (receivers)	0.3 Vp-p for component video (bi-level sync) 0.6 Vp-p for component video (tri-level sync) TTL: 4.0 V to 5.0 V p-p, unterminated for RGBHV, RGBS
Input impedance	510 ohms
Output impedance	110 ohms
Polarity	Positive or negative (follows input polarity)

Specifications — MTP 4T 15HD RS, cont'd

Control/remote — external device (pass-through, unidirectional or bidirectional)

Serial control port input/output. RS-232 via (1) 3.5 mm, 3 pole captive screw connector

Serial control port output/input. 1 set of proprietary signals on a female RJ-45 jack

NOTE *The serial communications link is unidirectional only, transmitter to receiver,* **unless** *the receiver's directional DIP switch or jumper has been repositioned. The switch or jumper should be repositioned only when the receiver is the only one in the system.*

Baud rates (all other models)..... Up to 38400 bps at up to 600' (183 m) (Higher data rates and distances are possible. Performance will vary based on baud rate and cable length.)

Protocol (all other models)..... Data bits = 5 - 8
Stop bits = 1 or 2
Parity = odd, even, none
Flow control = XON, XOFF, none

NOTE *Protocol is mirrored between the transmitter and the receiver.*

Serial control pin configurations. Captive screw connector: 1 = TX, 2 = RX, 3 = GND

General

Recommended cable type..... CAT 5/5E/6 (shielded or unshielded)

Power..... 100 VAC to 240 VAC, 50/60 Hz, 20 watts, internal

Temperature/humidity..... Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing
Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing

Cooling..... Convection, no vents

Rack mount..... Yes, with included mounting kit MBD 149, part #70-077-03

Enclosure type..... Metal

Enclosure dimensions..... 1.7" H x 17.5" W x 8.5" D (1U high, full rack wide)
4.3 cm H x 44.4 cm W x 21.6 cm D
(Depth excludes connectors.)

Product weight..... 6.0 lbs (2.7 kg)

Shipping weight..... 10 lbs (5 kg)

Vibration..... ISTA 1A in carton (International Safe Transit Association)

Regulatory compliances

- Safety..... CE, C-tick, CUL, UL
- EMI/EMF..... CE, C-tick, FCC Class A, ICES, VCCI

MTBF..... 30,000 hours

Warranty..... 3 years parts and labor

NOTE *All nominal levels are at ±10%.*

NOTE *Specifications are subject to change without notice.*

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